



Donna LaScaleia
Director

**CITY OF NORTHAMPTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS**

**125 Locust Street
Northampton, MA 01060**

**413-587-1570
Fax 413-587-1576**

Stormwater Management Program (SWMP)

City of Northampton

125 Locust Street MA 01060

EPA NPDES Permit Number 041016

Certification

Authorized Representative (Optional): All reports, including SWPPPs, inspection reports, annual reports, monitoring reports, reports on training and other information required by this permit must be signed by a person described in Appendix B, Subsection 11.A or by a duly authorized representative of that person in accordance with Appendix B, Subsection 11.B. If there is an authorized representative to sign MS4 reports, there must be a signed and dated written authorization.

The authorization letter is:

☒ Attached to this document (document name listed below)

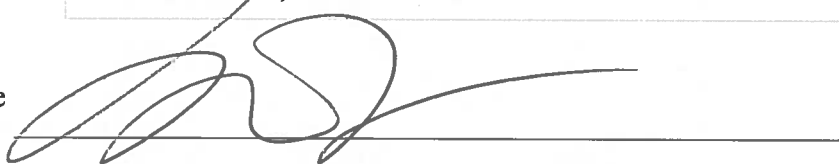
Northampton_MS4 Delegation of Authority_20190301

☐ Publicly available at the website below

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Printed Name Donna LaScalea, Director of Public Works

Signature



Date

6-27-19

[Click Here for Revisions](#)

Background

Stormwater Regulation

The Stormwater Phase II Final Rule was promulgated in 1999 and was the next step after the 1987 Phase I Rule in EPA's effort to preserve, protect, and improve the Nation's water resources from polluted stormwater runoff. The Phase II program expands the Phase I program by requiring additional operators of MS4s in urbanized areas and operators of small construction sites, through the use of NPDES permits, to implement programs and practices to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Under the Phase II rule all MS4s with stormwater discharges from Census designated Urbanized Area are required to seek NPDES permit coverage for those stormwater discharges.

Permit Program Background

On May 1, 2003, EPA Region 1 issued its Final General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (2003 small MS4 permit) consistent with the Phase II rule. The 2003 small MS4 permit covered "traditional" (i.e., cities and towns) and "non-traditional" (i.e., Federal and state agencies) MS4 Operators located in the states of Massachusetts and New Hampshire. This permit expired on May 1, 2008 but remained in effect until operators were authorized under the 2016 MS4 general permit, which became effective on July 1, 2018.

Stormwater Management Program (SWMP)

The SWMP describes and details the activities and measures that will be implemented to meet the terms and conditions of the permit. The SWMP accurately describes the permittees plans and activities. The document should be updated and/or modified during the permit term as the permittee's activities are modified, changed or updated to meet permit conditions during the permit term. The main elements of the stormwater management program are (1) a public education program in order to affect public behavior causing stormwater pollution, (2) an opportunity for the public to participate and provide comments on the stormwater program (3) a program to effectively find and eliminate illicit discharges within the MS4 (4) a program to effectively control construction site stormwater discharges to the MS4 (5) a program to ensure that stormwater from development projects entering the MS4 is adequately controlled by the construction of stormwater controls, and (6) a good housekeeping program to ensure that stormwater pollution sources on municipal properties and from municipal operations are minimized.

Town Specific MS4 Background (optional)

The City of Northampton is required to be covered under the 2016 MS4 general permit for its stormwater discharges. Northampton's stormwater management program is managed within the Department of Public Works (DPW).

Small MS4 Authorization

The NOI was submitted on Sep 28, 2018

The NOI can be found at the following (document name or web address):

<https://www.epa.gov/npdes-permits/regulated-ms4-massachusetts-communities>

Authorization to Discharge was granted on Feb 14, 2019

The Authorization Letter can be found (document name or web address):

<https://www3.epa.gov/region1/npdes/stormwater/ma/tms4noi/northampton-auth.pdf>

Stormwater Management Program Team

SWMP Team Coordinator

| | | | |
|------------------|--|-------|---------------------------|
| Name | David Veleta | Title | City Engineer |
| Department | Department of Public Works, Engineering | | |
| Phone Number | 413-587-1570 x4310 | Email | dveleta@northamptonma.gov |
| Responsibilities | Overall program management and implementation of BMPs. | | |

SWMP Team

| | | | |
|------------------|--|-------|-----------------------------|
| Name | Douglas McDonald | Title | Stormwater Manager |
| Department | Department of Public Works, Engineering | | |
| Phone Number | 413-587-1582 | Email | dmcDonald@northamptonma.gov |
| Responsibilities | General program implementation, implementation of some BMPs, program compliance tracking, report/document preparation, member of regional stormwater committee | | |

| | | | |
|------------------|---|-------|---------------------------|
| Name | Michael Antosz | Title | Highway Superintendent |
| Department | Department of Public Works, Highway & Sewer/Stormwater Division | | |
| Phone Number | 413-587-1570 x4315 | Email | mantosz@northamptonma.gov |
| Responsibilities | Implementation of BMPs | | |

| | | | |
|------------------|---|-------|---------------------------|
| Name | Gregory Newman | Title | Senior Engineer |
| Department | Department of Public Works, Engineering | | |
| Phone Number | 413-587-1570 x4307 | Email | gnewman@northamptonma.gov |
| Responsibilities | Implementation of BMPs | | |

| | | | |
|------------------|---|-------|---------------------------------|
| Name | Brendan Shea | Title | Sewer/Stormwater Superintendent |
| Department | Department of Public Works, Sewer & Stormwater Division | | |
| Phone Number | 413-587-1570 x4316 | Email | bshea@northamptonma.gov |
| Responsibilities | Implementation of BMPs | | |

Add SWMP Member

Receiving Waters

The following table lists all receiving waters, impairments and number of outfalls discharging to each waterbody segment.

OR

The information can be found in the following document or at the following web address:

| Waterbody segment that receives flow from the MS4 | Number of outfalls into receiving water segment | Chloride | Chlorophyll-a | Dissolved Oxygen/DO Saturation | Nitrogen | Oil & Grease/PAH | Phosphorus | Solids/ TSS/ Turbidity | E. coli | Enterococcus | Other pollutant(s) causing impairments |
|---|---|--------------------------|--------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|---|
| Barrett/King Street Brook | 8 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Bassett/Parsons Brook | 16 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Broad Brook | 8 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Broughtons/Elm Street Brook | 15 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Connecticut River (MA34-04) | 9 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | PCB in Fish Tissue |
| Day Brook | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Deer Brook | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Florence Stream | 2 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Halfway Brook | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Hannum Brook | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Lower Meadow Brook | 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Market Street Brook | 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Mill River (MA34-28) | 59 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | *E.coli impairment removed in 2016 303d Integrated List |
| Mill River Diversion (MA34-32) | 13 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Mill Stream | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| North Branch Manhan River (MA34-54) | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

| Waterbody segment that receives flow from the MS4 | Number of outfalls into receiving water segment | Chloride | Chlorophyll-a | Dissolved Oxygen/DO Saturation | Nitrogen | Oil & Grease/PAH | Phosphorus | Solids/ TSS/ Turbidity | E. coli | Enterococcus | Other pollutant(s) causing impairments |
|---|---|--------------------------|--------------------------|--------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| Old Mill River | 19 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Phelps Brook | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Pine Brook | 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Roberts Meadow Brook | 3 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Rocky Hill Brook | 8 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Sandy Hill Brook | 13 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Barrett/King Street Brook | 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Bassett/Parsons Brook | 49 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Danks Pond | 8 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Deer Brook | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Hannum Brook | 6 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Manhan River | 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Mill River | 5 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Mill River Diversion | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Unnamed Tributary/Wetlands to Sandy Hill Brook | 1 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

[Click here to lengthen table](#)

Eligibility: Endangered Species and Historic Properties

*Reminder: The proper consultations and updates to the SWMP must be conducted for construction projects related to your permit compliance where Construction General Permit (CGP) coverage, which requires its own endangered species and history preservation determination, is NOT being obtained.

Attachments:

- ☒ The results of Appendix C U.S. Fish and Wildlife Service endangered species screening determination
- ☐ The results of the Appendix D historic property screening investigations
- ☐ If applicable, any documents from the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (THPO), or other Tribal representative to mitigate effects

These attachments are required within one year of the permit effective date and are:

- ☒ Attached to this document (document names listed below)

USFW ESA MS4 Permit Letter_Northampton_20181001

- ☐ Publicly available at the website listed below

Under what criterion did permittee determine eligibility for ESA?

- ☐ Criterion A ☒ Criterion B ☐ Criterion C

Under what criterion did permittee determine eligibility for Historic Properties?

- ☒ Criterion A ☐ Criterion B ☐ Criterion C

Below add any additional measures for structural controls that you're required to do through consultation with U.S. Fish and Wildlife Service (if applicable):

Below add any additional measures taken to avoid or minimize adverse impacts on places listed, or eligible for listing, on the NRHP, including any conditions imposed by the SHPO or THPO (if applicable):

MCM 1

Public Education and Outreach

Permit Part 2.3.2

Objective: The permittee shall implement an education program that includes educational goals based on stormwater issues of significance within the MS4 area. The ultimate objective of a public education program is to increase knowledge and change behavior of the public so that the pollutants in stormwater are reduced.

Examples and Templates:

[EPA's Stormwater Education Toolbox](#)

[MassDEP's Stormwater Outreach Materials](#)

Other templates relevant to MCM 1 can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#peo>

BMP: Cigarette Butts Message

BMP Number (Optional) 1-GP1

Document Name and/or Web Address: To be provided once completed

Description:

Update Butts material from Think Blue campaign and distribute as panels on PVRTA buses, also issue press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

-PVRTA's estimated exposure rates for panels

press releases sent and published

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 2

BMP: Nip Bottles Message

BMP Number (Optional) 1-GP2

Document Name and/or Web Address: To be provided once completed

Description:

Develop message on nip bottles (and possibly litter generally) and distribute as panels on PVRTA buses, also issue press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

-PVRTA's estimated exposure rates for panels

press releases sent and published

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 4

BMP: Dumpster Waste and Avoiding Contaminated Flows Message

BMP Number (Optional) 1-GP3

Document Name and/or Web Address: To be provided once completed

Description:

Customize Think Blue MA material to create attractive flyer for waste management companies in the region to distribute to business customers. Provide further related instruction/information on Connecticut River Think Blue website.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of flyers distributed

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 2

BMP: Installation of Hooded Catch Basins to Keep Fuels from Local Surface Waters

BMP Number (Optional) 1-GP4

Document Name and/or Web Address: To be provided once completed

Description:

Letter to facility directors of properties with large parking lots.

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters sent

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 4

BMP: New MS4 Development Standards and E&S Control

BMP Number (Optional) 1-GP5

Document Name and/or Web Address: To be provided once completed

Description:

Workshop at regional conference (Western Mass Developers Conference would be good target if held) on new MS4 development standards and E&S control

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

attending workshop

-Results from post workshop survey

Message Date(s): Year 2

BMP: LID Strategies and Technologies

BMP Number (Optional) 1-GP6

Document Name and/or Web Address: To be provided once completed

Description:

Workshop at regional conference (Western Mass Developers Conference would be good target if held) on LID strategies and technologies

Targeted Audience: Developers (construction)

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

attending workshop

-Results from post workshop survey

Message Date(s): Year 4

BMP: Fleet Maintenance

BMP Number (Optional) 1-GP7

Document Name and/or Web Address: To be provided once completed

Description:

Customize Think Blue MA material to create attractive fact sheet promoting best practices for fleet

maintenance and send to local industrial facilities.

Targeted Audience: Industrial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of fact sheets sent

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 2

BMP: Installation of hooded catch basins to keep fuels from local surface waters

BMP Number (Optional) 1-GP8

Document Name and/or Web Address: To be provided once completed

Description:

Letter to facility directors of properties with large parking lots. Provide further related instruction/information on Connecticut River Think Blue website.

Targeted Audience: Industrial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters sent

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 4

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H1

Document Name and/or Web Address: "Get wise about leaf litter. Consider your options."

Description:

Prepared flyer that promotes action for and enables proper disposal practice and distribute to large lawn and garden centers in region.

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

flyers distributed / retrieved

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Fall of Year 1: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H2

Document Name and/or Web Address: To be provided once completed

Description:

Press release and social media post, indicating availability of brochure on the value of leaf litter and how to create compost for use in your garden on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters sent

of clicks on website

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Fall of Year 2: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H3

Document Name and/or Web Address: "Get wise about leaf litter. Consider your options."

Description:

Reprise Year 1 flyer as brochure and door hanger that can be distributed to homes in known problem locations along rivers, streams, lakes, and ponds, and promoted on social media and website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

brochures and door hangers distributed

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Fall of Year 3: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H4

Document Name and/or Web Address: To be provided once completed

Description:

Reprise press release and social media post from Year 2, indicating availability of brochure on the value of leaf litter and how to create compost for use in your garden on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters sent

of clicks on website

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Fall of Year 4: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H5

Document Name and/or Web Address: To be provided once completed

Description:

PSA to air locally and social media post

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

of people reached based on estimate of exposure from radio stations
of "shares" or "likes" on social media such as Facebook or Twitter
of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Fall of Year 5: August/September/October

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H6

Document Name and/or Web Address: "Get wise about your lawn. Consider your options"

Description:

Flyer and social media post with key actions for good practice

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of flyers distributed

of "shares" or "likes" on social media such as Facebook or Twitter

Message Date(s): Spring of Year 1: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H7

Document Name and/or Web Address: To be provided once completed

Description:

Press release and social media post, indicating availability of brochure on soil testing, reading results, and proper follow up that is available on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of press releases distributed and # of times published

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Spring of Year 2: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H8

Document Name and/or Web Address: To be provided once completed

Description:

Reprise flyer and social media post from Year 1 on key actions for good practice

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of flyers distributed

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Spring of Year 3: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H9

Document Name and/or Web Address: To be provided once completed

Description:

Fact sheet and social media posts on grass clippings = free fertilizer to be posted on Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Spring of Year 4: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H10

Document Name and/or Web Address: To be provided once completed

Description:

Public service announcement to air locally and post on social media and Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of people reached based on estimate of exposure from radio stations

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Spring of Year 5: April/May

BMP: Proper management of pet waste

BMP Number (Optional) 1-F/H11

Document Name and/or Web Address: To be provided once completed

Description:

Update Spike poster and send with letter to veterinary offices

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters and posters sent

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Summer of Year 1: June/July

BMP: Proper management of pet waste

BMP Number (Optional) 1-F/H12

Document Name and/or Web Address: To be provided once completed

Description:

Issue pledge card on pet waste pick up through social media and Connecticut River Think Blue website. Will include messaging that pet waste is not a fertilizer.

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of pledges

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Summer of Year 2: June/July

BMP: Proper management of pet waste

BMP Number (Optional) 1-F/H13

Document Name and/or Web Address: To be provided once completed

Description:

Update Spike poster from Think Blue campaign and distribute as panels on PVRTA buses, press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

PVRTA's estimated exposure rates for panels

press releases sent and published

of "shares" or "likes" on social media such as Facebook or Twitter

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Summer of Year 3: June/July

BMP: Proper management of pet waste

BMP Number (Optional) 1-F/H14

Document Name and/or Web Address: To be provided once completed

Description:

Flyer insert or e-mail with dog licenses announcing new local signs and local regulations on pet waste pick up

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of flyers distributed

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Winter of Year 4: Change from June/July so that can time with issuance of dog licenses

BMP: Proper management of pet waste

BMP Number (Optional) 1-F/H15

Document Name and/or Web Address: To be provided once completed

Description:

Reprise issuance of pledge card from Year 2 on pet waste pick up through social media and Connecticut River Think Blue website

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of pledges

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Summer of Year 5: June/July

BMP: Proper septic system care

BMP Number (Optional) 1-H1

Document Name and/or Web Address: To be provided once completed

Description:

Letter for Boards of Health to send promoting best practices for homes on septic systems in problem

catchments

Targeted Audience: Residents

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters sent

of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Year 3

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H16

Document Name and/or Web Address: To be provided once completed

Description:

Letter from Stormwater Committee to landscapers in region on importance of proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:

of letters sent

Message Date(s): Fall of Year 1: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H17

Document Name and/or Web Address: To be provided once completed

Description:

Mailing to landscapers in the region that lists locations for proper disposal of commercial leaf litter

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters sent

Message Date(s): Fall of Year 2: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H18

Document Name and/or Web Address: To be provided once completed

Description:

Reprise and update Year 1 letter from Stormwater Committee to landscapers in region on importance of proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters sent

Message Date(s): Fall of Year 3: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H19

Document Name and/or Web Address: To be provided once completed

Description:

Reprise and update Year 2 mailing to landscapers in the region that lists locations for proper disposal of commercial leaf litter

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters sent

Message Date(s): Fall of Year 4: August/September/October

BMP: Proper disposal of leaf litter

BMP Number (Optional) 1-F/H20

Document Name and/or Web Address: To be provided once completed

Description:

Reprise and update Year 3 letter from Stormwater Committee to landscapers in region on importance of proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters sent

Message Date(s): Fall of Year 5: August/September/October

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H21

Document Name and/or Web Address: To be provided once completed

Description:

Letter from Stormwater Committee to landscapers in region on importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters sent

Message Date(s): Spring of Year 1: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H22

Document Name and/or Web Address: To be provided once completed

Description:

Workshop for large institutions to promote better lawns/turf management and awareness of MassDAR fertilizer regulations and nitrogen concerns in region

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of attendees

Message Date(s): Spring of Year 2: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H23

Document Name and/or Web Address: To be provided once completed

Description:

Workshop for professional landscapers on importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee working with UMass Ext

Measurable Goal(s):

Number of people reached, including:
of attendees

Message Date(s): Spring of Year 3: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H24

Document Name and/or Web Address: To be provided once completed

Description:

Workshop for Garden Center staff in the region on best recommendations, including importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee working with UMass Ext

Measurable Goal(s):

Number of people reached, including:
of attendees

Message Date(s): Spring of Year 4: April/May

BMP: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal

BMP Number (Optional) 1-F/H25

Document Name and/or Web Address: To be provided once completed

Description:

Reprise and update Year 1 letter from Stormwater Committee to landscapers in region on importance of soil testing, proper use of fertilizers, and value of grass clippings/proper disposal

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters sent

Message Date(s): Spring of Year 5: April/May

BMP: Proper management of animal waste (pet and geese)

BMP Number (Optional) 1-F/H26

Document Name and/or Web Address: To be provided once completed

Description:

Letter targeting certain businesses, commercial, and institutional property owners explaining strategies for geese management and resources

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters distributed

Message Date(s): Summer of Year 1: June/July

BMP: Proper management of animal waste (pet and geese)

BMP Number (Optional) 1-F/H27

Document Name and/or Web Address: To be provided once completed

Description:

Letter to larger properties with problem locations offering sign design template promoting pet waste pick up

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters distributed

Message Date(s): Summer of Year 2: June/July

BMP: Proper management of animal waste (pet and geese)

BMP Number (Optional) 1-F/H28

Document Name and/or Web Address: To be provided once completed

Description:

Piggyback on messaging for residents in Year 3 on pet waste, updating Spike poster from Think Blue campaign and distribute as panels on PVTAs buses, press release, and post on social media and Think Blue Connecticut River website

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
-PVTA's estimated exposure rates for panels

press releases sent and published
of "shares" or "likes" on social media such as Facebook or Twitter
of hits on the Connecticut River Think Blue website after message distribution

Message Date(s): Summer of Year 3: June/July

BMP: Proper management of animal waste (pet and geese)

BMP Number (Optional) 1-F/H29

Document Name and/or Web Address: To be provided once completed

Description:

Reprise and update Year 1 letter targeting certain businesses, commercial, and institutional property owners explaining strategies for geese management and resources

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters distributed

Message Date(s): Summer of Year 4: June/July

BMP: Proper management of animal waste (pet and geese)

BMP Number (Optional) 1-F/H30

Document Name and/or Web Address: To be provided once completed

Description:

Reprise and update Year 2 letter to larger properties with problem locations offering sign design template promoting pet waste pick up

Targeted Audience: Businesses, institutions and commercial facilities

Responsible Department/Parties: DPW, Connecticut River Stormwater Committee

Measurable Goal(s):

Number of people reached, including:
of letters distributed

Message Date(s): Summer of Year 5: June/July

Add BMP

MCM 2

Public Involvement and Participation

Permit Part 2.3.3

Objective: The permittee shall provide opportunities to engage the public to participate in the review and implementation of the permittee's SWMP.

BMP: Public Review of Stormwater Management Program

BMP Number (Optional) 2-A

Location of Plan and/or Web Address: <http://northamptonma.gov/1998/Stormwater-Management-Program>

Responsible Department/Parties: DPW

Measurable Goal(s):

Stormwater Management Plan is publicly available on the City Website and at the DPW Office, 125 Locust Street, Northampton.

BMP: Public Participation in Stormwater Management Program Development

BMP Number (Optional) 2-B

Description:

Annually accept comments for public SWMP review

Responsible Department/Parties: DPW

Measurable Goal(s):

Annual public participation

BMP: Rain Barrel Program and Compost Bins

BMP Number (Optional) 2-C

Document Name and/or Web Address: <http://northamptonma.gov/1820/Compost>

Description:

Promote and offer rain barrels and compost bins to residents at a discounted rate seasonally.

Responsible Department/Parties: DPW

Measurable Goal(s):

Number of rain barrels purchased.

BMP: Household Hazardous Waste Collection

BMP Number (Optional) 2-D

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

MCM 3

Illicit Discharge Detection and Elimination (IDDE) Program

Permit Part 2.3.4

Objective: The permittee shall implement an IDDE program to systematically find and eliminate illicit sources of non-stormwater discharges to its municipal separate storm sewer system and implement procedures to prevent such discharges.

Examples and Templates:

[IDDE Program Template and SOPs](#)

Other templates relevant to IDDE can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#idde>

BMP: IDDE Legal Authority

BMP Number (Optional) 3-A

Completed (by May 1, 2008) ☒

Ordinances Link or Reference: <https://ecode360.com/13265220>

Department Responsible for Enforcement: DPW

BMP: Sanitary Sewer Overflow (SSO) Inventory

BMP Number (Optional) 3-B

Completed (by year 1) ☒

Document Name and/or Web Address: Included in Northampton IDDE Plan

Description:

Develop a five year SSO inventory and update annually in accordance with permit requirements.

Responsible Department/Parties: DPW

Measurable Goal(s):

Annually track and report the following SSO information: the location; a clear statement of whether the discharge entered a surface water directly or entered the MS4; date(s) and time(s) of each known SSO occurrence; estimated volume(s) of the occurrence; description of the occurrence indicating known or suspected cause(s); mitigation and corrective measures completed with dates implemented; and mitigation and corrective measures planned with implementation schedules. Update inventory as needed.

SSO Reporting:

In the event of an overflow or bypass, a notification must be reported within 24 hours by phone to MassDEP, EPA, and other relevant parties. Follow up the verbal notification with a written report following MassDEP's Sanitary Sewer Overflow (SSO)/Bypass notification form within 5 calendar days of the time you become aware of the overflow, bypass, or backup.

The MassDEP contacts are:

Western Region (413) 784-1100
436 Dwight Street
Springfield, MA 01103
24-hour Emergency Line 1-888-304-1133

The EPA contacts are:

EPA New England (617) 918-1510
5 Post Office Square
Boston, MA 02109

BMP: Map of Storm Sewer System

BMP Number (Optional) 3-C

Phase I Completed ☐
(by year 2)

Phase II Completed ☐
(by year 10)

Document Location and/or Web Address: <http://northamptonma.gov/1998/Stormwater-Management-Program>

Description:

Create map and update during IDDE program implementation in accordance with permit requirements and recommendations.

Responsible Department/Parties: DPW

Measurable Goal(s):

Map 100% of outfalls and receiving waters, open channel conveyances, interconnections with other MS4s and other storm sewer systems, municipally-owned stormwater treatment structures, waterbodies identified by name and indication of all use impairments, and initial catchment delineations within 2 years of the permit's effective date. Map 100% of outfall spatial locations, pipes, manholes, catch basins, refined catchment delineations, municipal sanitary sewer system (if available), and municipal combined sewer system (if applicable) within 10 years of the permit's effective date.

BMP: IDDE Program

BMP Number (Optional) 3-D

Written Document Completed (by year 1) ☒

Document Name and/or Web Address: Northampton IDDE Plan

Description:

Create written IDDE program and implement required activities.

Responsible Department/Parties: DPW

Measurable Goal(s):

Conduct 100% of outfall screening on High and Low Priority Outfalls within 3 years of the permit's effective date. Complete catchment investigations for 100% of the Problem Outfalls within 7 years of the permit's effective date. Complete 100% of all catchment investigations within 10 years of the permit's effective date.

The outfall/interconnection inventory and initial ranking and the dry weather outfall and interconnection screening and sampling results can be found:

Included in the IDDE Plan

BMP: Employee Training

BMP Number (Optional) 3-E

Description:

Provide IDDE training to designated employees.

Responsible Department/Parties: DPW

Measurable Goal(s):

Training occurs annually.

BMP:[BMP name here]

BMP Number (Optional) _____

Completed ☐

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

Add BMP

MCM 4

Construction Site Stormwater Runoff Control

Permit Part 2.3.5

Objective: The objective of an effective construction stormwater runoff control program is to minimize or eliminate erosion and maintain sediment on site so that it is not transported in stormwater and allowed to discharge to a water of the U.S. through the permittee's MS4.

Examples and Templates:

Examples and templates relevant to MCM 4, including model ordinances and site inspection templates, can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#csrc>

BMP: Sediment and Erosion Control Ordinance

BMP Number (Optional) 4-A

Completed (by May 1, 2008) ☒

Ordinances Link or Reference: <https://ecode360.com/13265221>

Department Responsible for Enforcement: DPW

BMP: Site Plan Review Procedures

BMP Number (Optional) 4-B

Written procedures completed (by year 1) ☒

Document Name and/or Web Address: Stormwater Management Ordinance and Stormwater Management Permit Application and Site Plan Review SOP

Description:

Complete written procedures of site plan review and begin implementation. Evaluate updates to the Stormwater Management Ordinance.

Responsible Department/Parties: DPW

Measurable Goal(s):

Conduct site plan review of 100% of projects according to the procedures outlined above.

BMP: Site Inspections and Enforcement of Sediment and Erosion Control Measures Procedures

BMP Number (Optional) 4-C

Completed (by year 1) ☒

Document Name and/or Web Address: Northampton Construction Site Inspection SOP and Northampton Erosion and Sedimentation SOP

Description:

Complete written procedures of site inspections and enforcement procedures.

Responsible Department/Parties: DPW

Measurable Goal(s):

Inspect 100% of construction sites as outlined in the above document and take enforcement actions as needed.

BMP: Update Construction Site Requirements in Existing Stormwater Management Ordinance

BMP Number (Optional) 4-D

Completed ☐

Document Name and/or Web Address:

Description:

Review existing erosion and sediment control and waste control sections of the Stormwater Management Ordinance and amend as necessary to comply with the Permit requirements.

Responsible Department/Parties: DPW

Measurable Goal(s):

If update is required, complete by 7/1/2020.

Add BMP

MCM 5

Post Construction Stormwater Management in New Development and Redevelopment

Permit Part 2.3.6

Objective: The objective of an effective post construction stormwater management program is to reduce the discharge of pollutants found in stormwater to the MS4 through the retention or treatment of stormwater after construction on new or redeveloped sites and to ensure proper maintenance of installed stormwater controls.

Examples and Templates:

Examples and templates relevant to MCM 5, including model ordinances and bylaw review templates and guidance can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#pcsm>

BMP: Post-Construction Ordinance

BMP Number (Optional) 5-A

Completed (by year 2) ☐

Town Ordinances Link or Reference:

Department Responsible for Enforcement:

BMP: Street Design and Parking Lot Guidelines Report

BMP Number (Optional) 5-B

Completed (by year 4) ☐

Document Name and/or Web Address:

Description:

Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.

Responsible Department/Parties:

Measurable Goal(s):

Recommendations are implemented by July 1, 2022 with progress reported annually.

BMP: Green Infrastructure Report

BMP Number (Optional) 5-C

Completed (by year 4) ☐

Document Name and/or Web Address:

Description:

Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist.

Responsible Department/Parties:

Measurable Goal(s):

Recommendations are implemented by July 1, 2022 with progress reported annually.

BMP: List of Municipal Retrofit Opportunities

BMP Number (Optional) 5-D

Completed (by year 4) ☐

Document Name and/or Web Address:

Description:

Identify 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce the frequency, volume and pollutant loads of stormwater to and from its MS4 through the reduction of impervious area. In accordance with Appendix F, one of the BMPs identified will be installed as a demonstration project targeting a catchment with high nitrogen load potential.

Responsible Department/Parties: DPW and other City Departments to be determined

Measurable Goal(s):

The list is completed by July 1, 2022 and updated as needed.

BMP: Stormwater Management Ordinance Amendments to Meet Permit Requirements

BMP Number (Optional) 5-E

Completed ☐

Document Name and/or Web Address:

Description:

Amend the existing Stormwater Management Ordinance to meet the requirements for new development and redevelopment contained in 2.3.6 and in Appendices F and H.

Responsible Department/Parties: DPW

Measurable Goal(s):

Modify by 7/1/2020

Add BMP

MCM 6

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Permit Part 2.3.7

Objective: The permittee shall implement an operations and maintenance program for permittee-owned operations that has a goal of preventing or reducing pollutant runoff and protecting water quality from all permittee-owned operations.

Examples and Templates:

Examples and templates relevant to MCM 6, including SOP templates for catch basin cleaning, street sweeping, vehicle maintenance, parks and open space management, winter deicing, and Stormwater Pollution Prevention Plans can be found here: <https://www.epa.gov/npdes-permits/stormwater-tools-new-england#gh>

PERMITTEE OWNED FACILITIES

BMP: Parks and Open Spaces Operations and Maintenance Procedures

BMP Number (Optional) 6-A

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Identify properties and create written O&M procedures (SOP) including all requirements contained in 2.3.7.a.ii for parks and open spaces.

Responsible Department/Parties: DPW and other City departments to be determined

Measurable Goal(s):

Implement the SOP listed above on 100% of the parks and open spaces by July 1, 2020.

Properties List (Optional):

BMP: Buildings and Facilities Operations and Maintenance Procedures

BMP Number (Optional) 6-B

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Identify and create written O&M procedures (SOP) including all requirements contained in 2.3.7.a.ii for municipal buildings and facilities.

Responsible Department/Parties: DPW and other City departments to be determined

Measurable Goal(s):

Implement the SOP listed above on 100% of buildings and facilities by July 1, 2020.

Properties List (Optional):

BMP: Vehicles and Equipment Operations and Maintenance Procedures

BMP Number (Optional) 6-C

Written Document Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Identify and create written O&M procedures (SOP) including all requirements contained in 2.3.7.a.ii for municipal vehicles and equipment.

Responsible Department/Parties: DPW and other City departments to be determined

Measurable Goal(s):

Implement the SOP listed above for 100% of vehicles and equipment according to the above document by July 1, 2020.

Properties List (Optional):

INFRASTRUCTURE

BMP: Infrastructure Operations and Maintenance Procedures

BMP Number (Optional) 6-D

Written Procedure Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Establish a written program detailing the procedures the City will implement so that the MS4 infrastructure is maintained to reduce the discharge of pollutants.

Responsible Department/Parties: DPW

Measurable Goal(s):

100% of infrastructure is maintained to ensure proper function in accordance with the procedures above.

BMP: Catch Basin Cleaning Program

BMP Number (Optional) 6-E

Written Procedure Completed (by year 1) ☒

Document Name and/or Web Address: Northampton Catch Basin Inspection and Cleaning SOP

Description:

Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule.

Responsible Department/Parties: DPW

Measurable Goal(s):

All catch basins are cleaned in accordance to the document above such that no catch basin is more than 50% full at any given time.

BMP: Street Sweeping Program**BMP Number (Optional)** 6-F**Written Procedure Completed (by year 1)** ☒**Document Name and/or Web Address:** Northampton Sweeping Streets and Parking Lots SOP**Description:**

Sweep all streets (except rural uncurbed roads with no catch basins) and permittee-owned parking parking lots a minimum of two times per year, once in the spring (following winter activities such as sanding) and at least once in the fall (Sept 1 - Dec 1; following leaf fall). Rural uncurbed roadways with no catch basins will be swept according to the above schedule or develop and implement a written inspection, documentation and targeted sweeping plan by year 2.

Responsible Department/Parties: DPW**Measurable Goal(s):**

Annually sweep 100% of all streets and 50% of all municipal parking lots in accordance with the schedule listed above.

BMP: Winter Road Maintenance Program**BMP Number (Optional)** 6-G**Written Procedure Completed (by year 1)** ☒**Document Name and/or Web Address:** DPW Snow & Ice Removal Operations SOP**Description:**

Establish and implement a program to minimize the use of road salt.

Responsible Department/Parties: DPW**Measurable Goal(s):**

Implement salt use optimization during deicing season.

BMP: Stormwater Treatment Structures Inspection and Maintenance Procedures

BMP Number (Optional) 6-H

Completed (by year 1) ☒

Document Name and/or Web Address: Northampton Inspecting Constructed BMPs SOP

Description:

Establish and implement inspection and maintenance procedures and frequencies.

Responsible Department/Parties: DPW

Measurable Goal(s):

Inspect and maintain 100% of treatment structures to ensure proper function.

BMP: SWPPP

BMP Number (Optional) 6-I

Completed (by year 2) ☐

Document Name and/or Web Address:

Description:

Create SWPPPs for maintenance garages, transfer stations, and other waste handling facilities.

Responsible Department/Parties: DPW

Measurable Goal(s):

Develop and implement SWPPPs for 100% of facilities.

BMP: Household Hazardous Waste Collection

BMP Number (Optional) 6-J

Completed ☐

Document Name and/or Web Address: <http://northamptonma.gov/1826/Hazardous-Waste>

Description:

Continue to offer annual household hazardous waste collection for residents.

Responsible Department/Parties: DPW

Measurable Goal(s):

Number of residents participating and quantities of material collected.

BMP: Rain Barrel and Compost Bin Program

BMP Number (Optional) 6-K

Completed ☐

Document Name and/or Web Address:

Description:

Responsible Department/Parties:

Measurable Goal(s):

Annual Evaluation

Year 1 Annual Report

Document Name and/or Web Address:

Year 2 Annual Report

Document Name and/or Web Address:

Year 3 Annual Report

Document Name and/or Web Address:

Year 4 Annual Report

Document Name and/or Web Address:

Year 5 Annual Report

Document Name and/or Web Address:

Year X Annual Report

Document Name and/or Web Address:

Add a Year

TMDLs and Water Quality Limited Waters

Select the applicable Impairment(s) and/or TMDL(s).

Impairment(s)

☒ Bacteria/Pathogens ☐ Chloride ☐ Nitrogen ☐ Phosphorus

☐ Solids/oil/grease (hydrocarbons)/metals

TMDL(s)

In State:

☐ Assabet River Phosphorus ☐ Bacteria and Pathogen ☐ Cape Cod Nitrogen

☐ Charles River Watershed Phosphorus ☐ Lake and Pond Phosphorus

Out of State:

☐ Bacteria and Pathogen ☐ Metals ☒ Nitrogen ☐ Phosphorus

Clear Impairments and TMDLs

Bacteria/Pathogens

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

| Applicable Receiving Waterbody(ies) | TMDL Name (if applicable) | Add/Delete Row |
|-------------------------------------|------------------------------|---|
| Connecticut River (MA34-04) | n/a | <input type="button" value="+"/> <input type="button" value="-"/> |

Annual Requirements Beginning Year 1

Rank outfalls to these receiving waters as high priority for IDDE implementation in the initial outfall ranking

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

Refer to IDDE Plan which includes Outfall Inventory and Priority Ranking (MCM 2, BMP 3-D)

Public Education and Outreach

(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))

Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP#s 1-F/H11 to 1-F/H15 & 1-F/H26 to 1-F/H30: Proper Management of Pet Waste, Years 1-5

Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP 1-F/H14: Proper Management of Pet Waste, Year 4

Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP 1-H1: Proper Septic System Care, Year 3

Nitrogen

Combination of Impaired Waters Requirements and TMDL Requirements as Applicable

| Applicable Receiving Waterbody(ies) | TMDL Name (if applicable) | Add/Delete Row |
|-------------------------------------|---|---|
| Long Island Sound | Long Island Sound TMDL for Nitrogen (Total Nitrogen) | <input type="button" value="+"/> <input type="button" value="-"/> |

Annual Requirements Beginning Year 1

Public Education and Outreach

(Public education messages can be combined with other public education requirements as applicable (see Appendix H and F for more information))

Distribute an annual message in the spring (April/May) that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP#s 1-F/H6 to 1-F/H10 and 1-F/H21 to 1-F/H25: Importance of soil test, proper use of fertilizers, and value of grass clippings/proper disposal, Years 1-5

Distribute an annual message in the summer (June/July) encouraging the proper management of pet waste, including noting any existing ordinances where appropriate

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP#s 1-F/H11 to 1-F/H15 and 1-F/H26 to 1-F/H30: Proper Management of Pet Waste, Years 1-5

Distribute an annual message in the fall (August/September/October) encouraging the proper disposal of leaf litter

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 1, BMP#s 1-F/H1 to 1-F/H5 and 1-F/H16 to 1-F/H20: Proper disposal of leaf litter, Years 1-5

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

Establish requirements for the use of slow release fertilizers on permittee owned property currently using fertilizer, in addition to reducing and managing fertilizer use as provided in part 2.3.7.1

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6, BMP 6-A

Establish procedures to properly manage grass cuttings and leaf litter on permittee property, including prohibiting blowing organic waste materials onto adjacent impervious surfaces

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6, BMP 6-A and BMP 6-B

Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall)

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 6, BMP 6-F

Nitrogen Reduction Tracking BMP

Any structural BMPs listed in Table 3 of Attachment 1 to Appendix H already existing or installed in the regulated area by the permittee or its agents shall be tracked and the permittee shall estimate the nitrogen removal by the BMP consistent with Attachment 1 to Appendix H. .

The BMP type, total area treated by the BMP, the design storage volume of the BMP and the estimated nitrogen removed in mass per year by the BMP is found in the following document or website and is updated yearly at a minimum:

Identify any applicable BMPs and implement tracking of nitrogen removal.

Requirements Due by Year 2

Stormwater Management in New Development and Redevelopment

The requirement for adoption/amendment of the permittee's ordinance or other regulatory mechanism shall include a requirement that new development and redevelopment stormwater management BMPs be optimized for nitrogen removal

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 5, BMP 5-E

Requirements Due by Year 4

Complete a Nitrogen Source Identification Report

The document name (if attached) and/or web address is/are:

Stormwater Management in New Development and Redevelopment

Retrofit inventory and priority ranking under 2.3.6.1.b. shall include consideration of BMPs to reduce nitrogen discharges

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 5, BMP 5-D List of Municipal Retrofit Opportunities

Requirements Due by Year 5

Potential Structural BMPs

Evaluate all permittee-owned properties identified as presenting retrofit opportunities or areas for structural BMP installation under Permit part 2.3.6.d.ii or identified in the Nitrogen Source Identification Report that are within the drainage area of the impaired water or its tributaries

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

See MCM 5, BMP 5-D List of Municipal Retrofit Opportunities

Complete a listing of planned structural BMPs and a plan and schedule for implementation

The relevant BMP number(s) listed above in the Stormwater Management Program OR the description of implementation actions and document location(s) are:

| |
|--|
| |
|--|



**CITY OF NORTHAMPTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
125 Locust Street
Northampton, MA 01060**

**413-587-1570
Fax 413-587-1576**

**Donna LaScaleia
Director**

February 22, 2019

MEMO TO FILE

**Re: Documentation for delegation of "Authorized Representative" for NPDES 2016
Massachusetts Small Municipal Separate Storm Sewer System (MS4) General Permit**

This document serves to affirm that Donna LaScaleia, Public Works Director, has responsibility for the operation of the MS4 and is hereby designated as an authorized person for signing all reports including but not limited to the Stormwater Management Plan (SWMP), Stormwater Pollution Prevention Plans (SWPPPs), inspection reports, annual reports, monitoring reports, reports on training, and other information required by the General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in Massachusetts for City of Northampton. This authorization cannot be used for signing a NPDES permit application (e.g., Notice of Intent (NOI)) in accordance with 40 CFR 122.22.

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in Part B.11 of Appendix B of the Small MS4 General Permit:

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

A handwritten signature in blue ink, appearing to read "David Narkewicz", is written over a horizontal line.

David Narkewicz, Mayor

MARCH 1, 2019

Date



United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
<http://www.fws.gov/newengland>



October 1, 2018

Donna LaScaleia
Department of Public Works
125 Locust Street
Northampton, MA 01060

Dear Ms. LaScaleia:

Thank you for contacting us regarding the Massachusetts 2016 Small MS4 General Permit in your letter(s) dated August 23, 2018. Due to the large volume of consultation requests we have received in the past few months for the MA MS4 General Permit, we have created a letter in accordance with section 7 of the Endangered Species Act that may be used in place of an individual concurrence letter for projects that meet certain criteria. We have reviewed your consultation request for listed species that may be in your project action area and have attached our signed response for you to include in your EPA application, as applicable.

If you have questions or concerns, please contact David Simmons at david_simmons@fws.gov, or phone at (603) 227-6425.

Sincerely yours,

acting for
Thomas R. Chapman
Supervisor
New England Field Office

Attachment



United States Department of the Interior

FISH AND WILDLIFE SERVICE



New England Field Office
70 Commercial St, Suite 300
Concord, NH 03301-5087
<http://www.fws.gov/newengland>

September 24, 2018

To whom it may concern:

The U.S. Fish and Wildlife Service (USFWS) reviewed the stormwater discharge activities associated with the 2016 National Pollutant Discharge and Elimination System (NPDES) Massachusetts (MA) Small Municipal Separate Storm Sewer System (MS4) general permit (MA MS4 General Permit) issued by the Environmental Protection Agency (EPA). We determined those activities may affect, but are not likely to adversely affect, certain species listed under the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) when specific conditions are met. When these conditions are met, we do not need to review individual projects. These comments are provided in accordance with section 7 of the ESA and complement existing 2016 MA MS4 General Permit Appendix C Guidance. We understand the applicant is acting as a non-Federal representative of the EPA for the purpose of consultation under section 7. **This letter provides additional guidance for meeting Criterion B and should be submitted as part of your application package to the EPA.**

If the USFWS Information for Planning and Consultation website (<https://ecos.fws.gov/ipac/>) indicates your MA MS4 General Permit project action area may contain one or more of the following federally listed endangered species: roseate tern (*Sterna dougallii*), northern red-bellied cooter (*Pseudemys rubriventris*), dwarf wedgemussel (*Alasmidonta heterodon*), rusty patched bumble bee (*Bombus affinis*), northeastern bulrush (*Scirpus ancistrochaetus*), or American chaffseed (*Schwalbea americana*); threatened species: piping plover (*Charadrius melodus*), bog turtle (*Glyptemys muhlenbergii*), Puritan tiger beetle (*Cicindela puritana*), northeastern beach tiger beetle (*Cicindela dorsalis*), or red knot (*Calidris canutus rufa*); or their federally designated critical habitat; and the specific conditions listed below are met, you may submit this letter to complete the **MA MS4 General Permit Appendix C: Step 4** in place of a concurrence letter for informal consultation as documentation of ESA eligibility for **USFWS Criterion B**.

In addition, this letter also satisfies the requirement in the **MA MS4 General Permit Appendix C: Step 2 (3)** to contact the USFWS and obtain a concurrence letter, if you have not yet done so. If your project action area includes one or more of the above-listed species *and* one or more of the

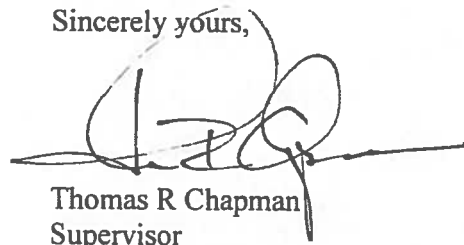
species listed under **Criterion C**,¹ you may still use this letter to certify under **Criterion B**. All existing guidance regarding requirements for certifying eligibility according to the USFWS Criterion A, B, or C for coverage by the 2016 MS4 Permit (see MA MS4 General Permit Appendix C – Endangered Species Guidance) remains unchanged.

We have determined that proposed stormwater discharge activities covered under the 2016 MS4 Permit *may affect, but are not likely to adversely affect*, the above-listed species and the species' critical habitat when the following are true:

1. all stormwater discharges are pre-existing or previously permitted by EPA;
2. any planned operations and maintenance work covered by this permit will only affect previously disturbed areas where stormwater controls are already installed. In these situations the chance of encountering any of the subject species is discountable;
3. the project implements EPA MS4 Best Management Practices (BMPs) and meets Clean Water Act and Massachusetts Water Quality Standards. Although permitted discharges may reach the environment used by these species, BMPs reduce pollutants to the extent that discharges are not known to have measurable impacts on these species or their habitat;
4. no new construction or structural BMPs are proposed under this permit at this time; and
5. you agree that if, during the course of the permit term, you plan to install a structural BMP not identified in the Notice of Intent (NOI), you will re-initiate consultation with the USFWS as necessary (see **MA MS4 General Permit Appendix C: Step 2 (5)**).

If the above criteria are met, further consultation with the USFWS under section 7 of the ESA is not required at this time; however, if the proposed action changes in any way such that it may affect a listed species in a manner not previously analyzed or if new information reveals the presence of additional listed species that may be affected by the project, the applicant or the EPA should contact us immediately and suspend activities that may affect those species until the appropriate level of consultation is completed with our office. Thank you for your cooperation, and please contact David Simmons of this office at (603) 227-6425 if you have questions or need further assistance.

Sincerely yours,



Thomas R Chapman
Supervisor
New England Field Office

¹ Criterion C includes guidance for project action areas that may contain species for which EPA has already made a determination. These species include the northern long-eared bat (*Myotis septentrionalis*), sandplain gerardia (*Agalinis acuta*), small whorled pogonia (*Isotria medeoloides*), and/or American burying beetle (*Nicrophorus americanus*) (MA MS4 General Permit Appendix C: Step 3 – Determine if You Can Meet Eligibility USFWS Criterion C).